ABSTRACT OF THE DISCLOSURE

A process and apparatus for the manufacture of adapted, fluidic surfaces on a gas turbine blade is disclosed. In an embodiment, the process includes: (a) generating a nominal milling program for the manufacture of fluidic surfaces in the region of one flow inlet edge and/or one flow outlet edge for an ideal gas turbine blade; (b) measuring the area of an actual gas turbine blade in the region of one flow inlet edge and/or one flow outlet edge thereof; (c) generating a milling program adapted to the actual gas turbine blade, where measured values determined in step (b) are used to adapt the nominal milling program generated in step (a) to the milling program for the actual gas turbine blade; and (d) manufacturing of the fluidic surfaces on the actual gas turbine blades by milling with the use of the milling program generated in step (c).